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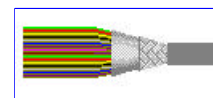


## Shielded MASS-TER® Cable

.050" Pitch

28 AWG, 17 Pairs

PVC Shielded, Rounded-to-Flat



1-800-BELDEN-1

Trade Number	Conductors AWG (Strand) Type	Pitch	Insulation Thickness	Drain Wire AWG Type	Shields	Dielectric Dia. (Type)
<b>9M28334</b>	28 (7x36) TC	0.05 ±0.005 in.	0.01 in. <b>Jacket</b> 0.05 in. <b>Substrate</b> 0.004 in.		Beldfoil 65% TC Braid	

Description		
<b>Insulation:</b>	Color Coded PVC	.050" Pitch. 28 AWG, 17 Pairs. PVC. Shielded, Rounded-to-Flat. Belden's shielded MASS-TER cable offers end users the termination ease of Vari-Twist® flat cable with the flexibility and air flow enhancements of round cable. MASS-TER cable was designed to meet the assembly requirement needs of today's computers, computer peripherals, terminals, telecommunication systems and military communication systems. MASS-TER cable is PVC jacketed in round construction of pre-insulated twisted pairs followed by a flat terminating section laminated to a patented clear PVC/Polyester substrate. Standard twist length is 18 inches followed by a 2 inch flat section. Belden manufactures MASS-TER cable using an innovative spiraling technique which maintains the stringent conductor-to-conductor tolerance of ±.005" on .050" centering. Conductors are 28 AWG, stranded, tinned copper. Shielded MASS-TER cable contains an overall Beldfoil® and 65% tinned copper braid shield. Because the conductor pairs are non-laminated, it is easier to fit MASS-TER around corners. Each adjacent pair is twisted in an opposite direction to reduce crosstalk. Each pair consists of a tan conductor paired with a color-coded conductor. Color sequence for each terminating section is Brown/Tan, Red/Tan, Orange/Tan, Yellow/Tan, Green/Tan, Blue/Tan, Violet/Tan, Gray/Tan, White/Tan, Black/Tan. Sequence is repeated as necessary. The Vari-Twist flat section of MASS-TER makes it easy to terminate. Belden MASS-TER is designed for mass-termination with standard IDC connectors. For further information on Belden's MASS-TER cable capabilities, contact your nearest Belden Distributor Belden Sales Representative. Applications: External Interconnection or Internal Wiring of Electronic Equipment and/or Class 2 Remote Control, Signaling, and Power-Limited Cables. Packaging: H100 * Test Configuration: G-S (ground-signal) with shield grounded
<b>Jacket:</b>	Chrome PVC	
<b>Substrate:</b>	Clear PVC/Polyester	
<b>Ground Plane:</b>		

Dimensions		
<b>A:</b>	0.41 ± 0.0 in.	
	(Metric) 10.4135 ± mm	
<b>B:</b>	1.7 ± 0.0 in.	
	(Metric) 43.1779 ± mm	
<b>C:</b>	1.65 ± 0.015 in.	
	(Metric) 41.9080 ± .381 mm	

Approvals			
<b>UL: File #</b>	E34972	<b>NEC:</b>	CL2
<b>Style</b>	20381	<b>Temperature Rating:</b>	-20°C to +105°C
<b>CSA: File #</b>		<b>Flame Rating: UL CSA</b>	1581 Vertical Tray

Electrical			
<b>Voltage Rating:</b>	300.0 V RMS	<b>Impedance (Balanced):</b>	110.0 ohms
<b>Current Rating:</b>	0.5 Amps	<b>*(Unbalanced):</b>	65.0 ohms
<b>Conductor Resistance:</b>	68.0 ohms/M'	<b>Capacitance* @ 1MHz:</b>	27.0 pF/ft (88.6 pF/m)
<b>Insulation Resistance:</b>	>1x10 <sup>10</sup> ohms*10 ft.(3m)	<b>Impedance* @ 1MHz:</b>	0.22 uH/ft (.72 uH/m)
		<b>Propagation Delay:</b>	1.7 ns/ft (5.6 ns/m)

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